

[CARD READER, AND BRIDGE CONTROLLER AND DATA TRANSMISSION METHOD THEREOF]

Abstract

A card reader, and a bridge controller and a data transmission method thereof are provided. The card reader comprises a silicon storage device connector and a bridge controller. The bridge controller further comprises a silicon storage device interface, a system interface, a microprocessor, a cache buffer, an allocation table buffer, and a transmission buffer. With the cooperation of the cache buffer and the allocation table buffer, the present invention can pre-save data in the cache buffer by using the data accessing address mapping table stored in the allocation table buffer, so as to improve the cache hit ratio and the data transmission speed.